CLAIMS

1. Axial thrust bearing for supporting the rotating shaft of an exhaust gas turbocharger connected to a lubricating oil circuit, which bearing has at least one essentially flat sliding surface and at least one bearing surface (3) in the form of a profiled ring-shaped surface, between which and the flat surface a lubricating gap is formed, where the bearing surface has several longitudinal oil grooves (2) formed in it, which extend in the radial direction and are open at the outside end; several wedge surfaces (1); and flat trap surfaces (5), where one wedge surface (1) and one flat trap surface (5) are located between each pair of adjacent lubricating oil grooves (2), characterized in that the wedge surfaces (1) have a convergent orientation both in the circumferential direction and in the radial direction to form a lubricating gap which narrows down in both directions.

2. Axial thrust bearing according to Claim 1, characterized in that the bearing surface (3) is executed on a floating disk, which is mounted between a bearing comb on the rotating shaft and a sliding surface on the stationary bearing housing.

3. Axial thrust bearing according to Claim 2, characterized in that the floating disk has a profiled ring-shaped surface (3) according to Claim 1 on both sides, each of which cooperates with a flat sliding surface.

4. Axial thrust bearing according to one of the preceding claims, characterized in that each flat sliding surface is designed to be stationary, and each profiled ring-shaped surface (3) is designed to rotate around or with the shaft.